Philips
LCD widescreen monitor

22" wide
WSXGA+

220CW8FB

# The first-ever SmartAccessory monitor

With the first-ever SmartAccessory to personalize your workspace and help keep it neat plus SmartImage for the best-ever LCD performance and an extra-large wide screen, the 220CW8 brings you premium display and the ultimate in convenience.

### Outstanding front of screen performance
- Big, wide screen: IM, write mail, watch videos on one screen
- SmartImage: Optimized user friendly display experience
- SmartContrast: For incredible rich black details
- Optimize response time for different viewing requirements
- DVI-D input and HDCP support
- PerfecTune ensures top quality LCD display delivered to you
- Empowered for Windows Vista

### Great convenience
- SmartAccessory to personalize and organize your workspace
- Hassle-free display performance tuning with SmartControl II
- USB port for convenient peripheral connections

### Green design
- For your safety: Aerospace composite fire retardant case
- TCO'06 compliance for a better multimedia experience

PHILIPS
sense and simplicity

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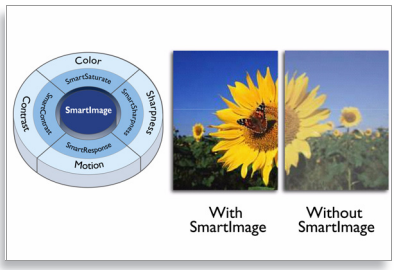
# Highlights

## Widescreen design
A wide screen has a wider aspect ratio for displaying more entertainment or information to have more fun and get more done.

## SmartImage



SmartImage is an exclusive, leading edge Philips technology that analyzes the content displayed on your screen. Based on a scenario you select, SmartImage dynamically enhances the contrast, color saturation and sharpness of images and videos for ultimate display performance - all in real time with the press on a single button.

## SmartContrast

SmartContrast is Philips technology that analyzes the contents you are displaying, automatically adjusting colors and controlling backlight intensity to dynamically enhance contrast for the best digital images and optimum contrast for more entertainment fun when viewing videos or playing games where dark hues are displayed; when you select the Economy mode, contrast is adjusted and backlighting fine-tuned for just-right display of everyday office applications and lower power consumption.

## SmartResponse

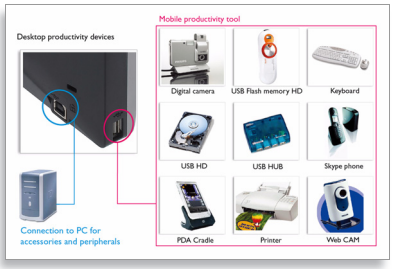
SmartResponse is exclusive Philips technology that adjusts response time to application requirements, delivering faster response times for gaming and videos or better color saturation for viewing photos and static images.

## PerfecTune
PerfectTune is industry-leading, proprietary Philips testing and algorithm technology for monitor adjustment and fine tuning, an extensive process that ensures ultimate display performance in compliance with a standard four-times more stringent than Microsoft's Vista requirements from each and every monitor that leaves the factory - not just a few review samples. Only Philips goes to these lengths to deliver this exacting level of color accuracy and display quality in every new monitor.

## SmartAccessory

SmartAccessory is an innovative and friendly solution for easily and flexibly attaching peripherals like a webcam or stationery onto a monitor frame to keep your space tidy and organized. It is equipped with multifunction clips with a universal interface that attaches to the monitor frame and moves up and down or left and right to accommodate a variety of included or optional holders for stationery, small peripherals like webcams, conveniently locating work or personal items in your line of sight and at your fingertips.

## SmartControl II
SmartControl II is monitor-based software with an easy-to-use on-screen graphic interface that guides you through fine-tuning resolution, color calibration and other display settings including brightness, contrast, clock & phase, position, RGB, white point and - on models with onboard speakers - volume adjustments.

## USB 2.0 port



USB port allows user to conveniently connect their plug and play multimedia devices such as USB memory devices, camera, portable HDD, Web camera, PDA, Printer and many other devices which has USB connection available. The conveniently located USB 2.0 port on the monitor allows USB 2.0 signals to pass thru to the computer. Note that many devices like cameras and HDD may need to be powered On independently, as they have higher power requirements than the monitor USB port can provide

## Flame retardant cabinet
PC/ABS plastic composite is the industry's best and toughest flame-retardant casing material; and is a space-age compound deployed in the aerospace and automotive industries as well as in fire detectors that is compliant with most stringent fire safety standards.

## TCO06-compliant for multimedia
TCO'06 - compliant monitors meet ergonomic, environmental and health standards for multimedia displays created by TCO - the Swedish Confederation of Professional Employees; TCO'06, the most stringent-ever, covers requirements for visual ergonomics in multimedia display, including health considerations as well as other features that characterize good quality displays. A TCO'06-compliant display's specifications

WideScreen SmartAccessory SmartImage™ SmartContrast Smart Response PerfecTune SmartControl USBConnectivity

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# Specifications

## Picture/Display
- LCD panel type: 1680 x 1050 pixels, Anti-glare polarizer, RGB vertical stripe
- Panel Size: 22" / 55.9 cm
- Effective viewing area: 473.76 x 296.1 mm
- Pixel pitch: 0.282 x 0.282 mm
- Brightness: 300 cd/m²
- Contrast ratio (typical): 1000:1
- SmartContrast ratio (dynamic): 4000:1
- Display colors: 16.7 M
- Viewing angle: 160° (H) / 160° (V), @ C/R > 10
- Response time (typical): 5 ms
- SmartResponse: 2 ms (Gray to Gray)
- Maximum Resolution: 1680 x 1050 @ 60Hz (digital input)
- Optimum Resolution: 1680 x 1050 @ 60Hz (digital input)
- Video Dot Rate: 205 MHz
- Horizontal Scanning Frequency: 30 - 93 kHz
- Vertical Scanning Frequency: 56 - 76 Hz
- Picture enhancement: SmartImage
- sRGB

## Connectivity
- Signal Input: VGA (Analog ), DVI-D
- USB: USB 2.0 x 1
- Sync Input: Composite Sync, Separate Sync, Sync on Green

## Convenience
- User convenience: On-screen Display, SmartControl II
- Monitor Controls: SmartImage, Auto (Back), Input (Down), Brightness (Up), Menu (OK), Power On/Off
- OSD Languages: English, French, German, Italian, Portuguese, Russian, Simplified Chinese, Spanish
- Other convenience: Kensington lock compatible
- Plug & Play Compatibility: DDC/CI, sRGB, Windows 98/ME/2000/XP/Vista
- Regulatory Approvals: CE Mark, EMC, Energy Star, FCC-B, UL, CSA, TCO '06
- Tilt: -5° to 20°

## Accessories
- Included Accessories: AC Power Cord, VGA cable
- User Manual

## Dimensions
- Box dimensions (W x H x D): 565 x 472 x 161 mm
- Box dimensions in inch (W x H x D): 22.2 x 18.6 x 6.3 inch
- Set dimensions (W x H x D): 518 x 344 x 64 mm
- Set dimensions in inch (W x H x D): 20.4 x 13.5 x 2.5 inch
- Set dimensions with stand (W x H x D): 518 x 415 x 200 mm
- Set dimensions with stand in inch (W x H x D): 20.4 x 16.3 x 7.9 inch
- MTBF: 50,000 (excl. CCFL 40,000) hrs
- Relative humidity: 20% - 80%
- Temperature range (operation): 0°C to 40°C
- Temperature range (storage): -20°C to 60°C
- Product weight (+stand): 5.4 kg
- Product weight (+stand) (lb): 11.9 lb
- Weight incl. Packaging: 7.19 kg
- Weight incl. Packaging (lb): 15.9

## Power
- Complies with: Energy Star
- Consumption (On mode): < 45 W (typical)
- Consumption (economy mode): 32 W
- Consumption (Off Mode): < 1 W
- Power LED indicator: Stand by/sleep - Amber, Operation - green
- Power supply: Built-in, 100-240VAC, 50/60Hz

Issue date 2009-04-22

Version: 3.0.5

12 NC: 8670 000 32401
EAN: 87 12581 35153 3

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